

WHAT IS CLAIMED IS:

1. A vehicular steering control apparatus comprising:
a controller that controls an wheel steering amount of a wheel based on a
steering angle, and an assist angle obtained by multiplying a steering speed by a gain,
wherein the controller increases a value of the gain if there is a difference in
an amount of power control between a right wheel and a left wheel of a vehicle.
2. The apparatus according to claim 1, wherein the amount of power control is an
amount of control applied to the left wheel and the right wheel in order to brake the
vehicle.
3. The apparatus according to claim 1, wherein the amount of power control is an
amount of control applied to the left wheel and the right wheel in order to drive the
vehicle.
4. The apparatus according to claim 1, further comprising an actuator for steering the
left wheel and the right wheel of the vehicle,
wherein the controller causes the actuator to steer the left wheel and the right
wheel by the wheel steering amount.
5. The apparatus according to claim 1, wherein the controller calculates the wheel
steering amount by adding the assist angle to the steering angle.
6. The apparatus according to claim 1, wherein the gain changes in accordance with a
vehicle speed.
7. The apparatus according to claim 1, wherein a difference in the amount of power
control between the left wheel and the right wheel of the vehicle occurs if a friction
coefficient regarding the left wheel and a friction coefficient regarding the right wheel
are different from each other.
8. A steering control method comprising:
detecting a steering angle;

detecting a steering speed;
determining whether there is a difference in an amount of power control
between a left wheel and a right wheel of a vehicle;
increasing an assist angle that serves as a complement to the steering angle, if
5 it is determined that there is a difference in the amount of power control between the
left wheel and the right wheel; and
controlling a wheel steering amount of a wheel based on the steering angle and
the increased assist angle.

10 9. The method according to claim 8,
wherein the assist angle is calculated by multiplying the steering speed by a
gain, and
wherein a value of the gain is increased if it is determined that there is a
difference in the amount of power control between the left wheel and the right wheel.

15 10. The method according to claim 8, wherein the amount of power control is an
amount of control applied to the left wheel and the right wheel in order to brake the
vehicle.

20 11. The method according to claim 8, wherein the amount of power control is an
amount of control applied to the left wheel and the right wheel in order to drive the
vehicle.